Claims: Claims 13-14, 16-18, and 20-22 are amended in this office action response. Additions to claims are indicated by underlining. Deletions from claims are indicated by strikeouts or double brackets. In this office action response, claims 15 and 19 are canceled without waiver to or disclaimer of the subject matter of these claims. Upon entry of this amendment, claims 13-14, 16-18, and 20-22 will be pending in this application.

Listing of Claims:

1. (canceled)

2. (canceled)

3. (canceled)

4. (canceled)

5. (canceled)

6. (canceled)

7. (canceled)

8. (canceled)

9. (canceled)

10. (canceled)

11. (canceled)

12. (canceled)

13. (currently amended) A system, comprising:

a moving mechanism to selectively move the object at a first substantially constant speed during scanning;

a scanning mechanism including an optical sensor, with the scanning mechanism to selectively move the optical sensor at a second substantially constant speed during the scanning; and

a controller configured to replace first data from measurement of reflected light from a first section of the object, corresponding to a deceleration distance of the object, during deceleration of the object, with second data from measurement of reflected light from the first section ~~during relative movement between the first section and the optical sensor at the first substantially constant speed or the second substantially constant speed~~, the controller includes a configuration to actuate the scanning mechanism to move the optical sensor in a first direction the object moves during the scanning for a first distance substantially equal to a sum of the deceleration distance of the object and an acceleration distance of the object, the controller includes a configuration to actuate the moving mechanism to move the first section of the object past the optical sensor at the first substantially constant speed in the first direction, the controller includes a configuration to actuate the moving mechanism to move the first section of the object past the optical sensor at the first substantially constant speed in the first direction, and the controller includes a configuration to cause the measurement of the reflected light used to generate the second data from the first section with the optical sensor during the relative movement between the first section and the optical sensor at the first substantially constant speed .

14. (currently amended) The system as recited in claim 13, wherein:

~~the controller includes a configuration to actuate the scanning mechanism~~

~~to move the optical sensor in a first direction the object moves during the scanning for a first distance substantially equal to a sum of the deceleration distance of the object and an acceleration distance of the object;~~

~~the configuration of the controller to cause the relative movement between the first section and the optical sensor at the first substantially constant speed or the second substantially constant speed includes a configuration to actuate the moving mechanism to move the first section of the object past the optical sensor at the first substantially constant speed in the first direction;~~

~~the controller includes a configuration to cause the measurement of the reflected light used to generate the second data from the first section with the optical sensor during the relative movement between the first section and the optical sensor at the first substantially constant speed; and~~

the object includes media.

15. (canceled)

16. (currently amended) ~~The~~ A system ~~as recited in claim 13~~, ~~wherein~~ comprising:

a moving mechanism to selectively move the object at a first substantially constant speed during scanning;

a scanning mechanism including an optical sensor, with the scanning mechanism to selectively move the optical sensor at a second substantially constant speed during the scanning; and

a controller configured to replace first data from measurement of reflected light from a first section of the object, corresponding to a deceleration distance of the object, during deceleration of the object, with second data from measurement of reflected light from the first section;

the controller includes a configuration to actuate the scanning mechanism to move the optical sensor in a first direction, opposite a second direction the object moves during scanning, for a first distance substantially equal to a sum of an acceleration distance of the optical sensor and an acceleration distance of the

object,[[;]] the ~~configuration of the~~ controller ~~to cause the relative movement between the first section and the optical sensor at the first substantially constant speed or the second substantially constant speed~~ includes a configuration to actuate the scanning mechanism to move the optical sensor in the second direction for a second distance substantially equal to a sum of the acceleration distance of the object and the deceleration distance of the object at the second substantially constant speed,[[;]] the controller includes a configuration to cause the measurement of the reflected light used to generate the second data with the optical sensor from ~~a~~ the first section of the object and from a second section of the object corresponding to the acceleration distance of the object[[;]], and the controller includes a configuration to actuate the scanning mechanism to move the optical sensor in the first direction for a third distance substantially equal to a sum of a deceleration distance of the optical sensor and the deceleration distance of the object~~; and~~

~~the object includes media~~.

17. (currently amended) ~~The~~ A system ~~as recited in claim 13, wherein~~ comprising:

a moving mechanism to selectively move the object at a first substantially constant speed during scanning;

a scanning mechanism including an optical sensor, with the scanning mechanism to selectively move the optical sensor at a second substantially constant speed during the scanning; and

a controller configured to replace first data from measurement of reflected light from a first section of the object, corresponding to a deceleration distance of the object, during deceleration of the object, with second data from measurement of reflected light from the first section, the controller includes a configuration to actuate the scanning mechanism to move the optical sensor in a first direction the object moves during scanning for a first distance substantially equal to a sum of the deceleration distance of the object and an acceleration distance of the optical sensor,[[;]] the ~~configuration of the~~ controller ~~to cause the relative~~

~~movement between the first section and the optical sensor at the first substantially constant speed or the second substantially constant speed~~ includes a configuration to actuate the scanning mechanism to move the optical sensor in a second direction, opposite the first direction, for a second distance substantially equal to a sum of the deceleration distance of the object and an acceleration distance of the object at the second substantially constant speed,~~[[;]]~~ the controller includes a configuration to cause the measurement of the reflected light used to generate the second data with the optical sensor from ~~a~~ the first section of the object and from a second section of the object corresponding to the acceleration distance of the object,~~[[;]]~~ and the controller includes a configuration to actuate the scanning mechanism to move the optical sensor in the first direction for a third distance substantially equal to a deceleration distance of the optical sensor and the acceleration distance of the object~~; and~~

~~the object includes media~~.

18. (currently amended) A scanning device for generating a digital representation of an image on a medium ~~media~~, comprising:

a scanning mechanism including an optical sensor with the scanning mechanism configured for selectively moving at a first substantially constant speed during scanning;

a moving mechanism configured for selectively moving the medium ~~media~~ at a second substantially constant speed during scanning; ~~and~~

a controller configured to replace first data from measurement of reflected light from a first section of the medium ~~media~~, corresponding to a deceleration distance of the medium ~~media~~, during deceleration of the medium ~~media~~, with second data from measurement of reflected light from the first section, ~~during relative movement between the first section and the optical sensor at the first substantially constant speed or the second substantially constant speed~~ the controller includes a configuration to actuate the scanning mechanism to move the optical sensor in a first direction the medium moves during the scanning for a first distance substantially equal to a sum of the deceleration distance of the

medium and an acceleration distance of the medium,[[;]] the controller includes a configuration to actuate the moving mechanism to move a first section of the medium past the optical sensor at the first substantially constant speed in the first direction, and the controller includes a configuration to cause the measurement of the reflected light used to generate the second data from the first section with the optical sensor during the relative movement between the first section and the optical sensor at the first substantially constant speed.

19. (canceled)

20. (currently amended) ~~The~~ A scanning device for generating a digital representation of an image on a medium ~~as recited in claim 18~~, ~~wherein~~ comprising:

a scanning mechanism including an optical sensor with the scanning mechanism configured for selectively moving at a first substantially constant speed during scanning;

a moving mechanism configured for selectively moving the medium at a second substantially constant speed during scanning; and

a controller configured to replace first data from measurement of reflected light from a first section of the medium, corresponding to a deceleration distance of the medium, during deceleration of the medium, with second data from measurement of reflected light from the first section, the controller includes a configuration to actuate the moving mechanism to move the ~~media~~ medium in a first direction opposite a second direction that the ~~media~~ medium moves during scanning for a first distance substantially equal to a sum of an acceleration distance of the ~~media~~ medium and the deceleration distance of the medium, ~~media~~[[;]] the controller includes a configuration to actuate the moving mechanism to move the first section of the medium ~~media~~ past the optical sensor at the ~~first~~ second substantially constant speed in the second direction[[;]], and the controller includes a configuration to cause the measurement of the reflected light used to generate the second data from the first section with the optical

sensor during the relative movement between the first section and the optical sensor at the first substantially constant speed.

21. (currently amended) ~~The~~ A scanning device for generating a digital representation of an image on a medium ~~as recited in claim 18~~, comprising ~~wherein~~:

a scanning mechanism including an optical sensor with the scanning mechanism configured for selectively moving at a first substantially constant speed during scanning;

a moving mechanism configured for selectively moving the medium at a second substantially constant speed during scanning; and

a controller configured to replace first data from measurement of reflected light from a first section of the medium, corresponding to a deceleration distance of the medium, during deceleration of the medium, with second data from measurement of reflected light from the first section, the controller includes a configuration to actuate the scanning mechanism to move the optical sensor in a first direction, opposite a second direction the ~~media~~ medium moves during scanning, for a first distance substantially equal to a sum of an acceleration distance of the ~~media~~ medium and an acceleration distance of the optical sensor[[;]], ~~the configuration of~~ the controller ~~to cause the relative movement between the first section and the optical sensor at the first substantially constant speed or the second substantially constant speed~~ includes a configuration to actuate the scanning mechanism to move the optical sensor in the second direction for a second distance substantially equal to a sum of the acceleration distance of the ~~media~~ medium and the deceleration distance of the ~~media~~ medium at the second substantially constant speed[[;]] , the controller includes a configuration to cause the measurement of reflected light used to generate the second data with the optical sensor from the first section of the ~~media~~ medium and from a second section of the ~~media~~ medium corresponding to the acceleration distance of the medium ~~media~~[[;]], and the controller includes a configuration to actuate the scanning mechanism to move the optical sensor in

the first direction for a third distance substantially equal to a sum of a deceleration distance of the optical sensor and the deceleration distance of the medium ~~media~~.

22. (currently amended) ~~The~~ A scanning device for generating a digital representation of an image on a medium ~~as recited in claim 18~~, comprising ~~wherein~~:

a scanning mechanism including an optical sensor with the scanning mechanism configured for selectively moving at a first substantially constant speed during scanning;

a moving mechanism configured for selectively moving the medium at a second substantially constant speed during scanning; and

a controller configured to replace first data from measurement of reflected light from a first section of the medium, corresponding to a deceleration distance of the medium, during deceleration of the medium, with second data from measurement of reflected light from the first section, the controller includes a configuration to actuate the scanning mechanism to move the optical sensor in a first direction the medium ~~media~~ moves during scanning for a first distance substantially equal to a sum of an acceleration distance of the optical sensor and a deceleration distance of the medium ~~media~~,[[;]] ~~the configuration of~~ the controller ~~to cause the relative movement between the first section and the optical sensor at the first substantially constant speed or the second substantially constant speed~~ includes a configuration to actuate the scanning mechanism to move the optical sensor in a second direction, opposite the first direction, for a second distance substantially equal to the deceleration distance of the medium ~~media~~ and an acceleration distance of the medium ~~media~~ at the second substantially constant speed, [[;]] the controller includes a configuration to cause the measurement of the reflected light used to generate the second data with the optical sensor from the first section of the medium ~~media~~ and from a second section of the medium ~~media~~ corresponding to the acceleration distance of the medium ~~media~~,[[;]] and the controller includes a configuration to actuate the

scanning mechanism to move the optical sensor in the first direction for a third distance substantially equal to a deceleration distance of the optical sensor and the acceleration distance of the medium ~~media~~.